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TI Intensifying and prolonging the duration of viability of spermatozoa  
to increase fertility

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PA Rom.

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DT Patent

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AB A medium is presented for the preservation and activation of animal sperm, for artificial insemination, based on thiazolidinecarboxylic acid or its derivs. Thus, 0.050 g thiazolidinecarboxylic acid, 0.001 g folic acid, 0.012 g Na benzoate, 0.005 g Ca Li sulfosalicylate, and 0.015 g Na metabisulfite in 1 mL soln. was added to a bull sperm sample in a medium contg. Na citrate and egg yolk. The medium also contained penicillin (500 IU/mL dild. sperm) and .gamma.-dehydrostreptomycin (500 IU/mL). The sperm thus preserved had a viability of .ltoreq.29 days. It was possible to use 3-acetyl-4-thiazolidinecarboxylic acid or 2-(1',2',3',4'-tetrahydroxy-5-carboxypentyl)-4-thiazolidinecarboxylic acid instead of thiazolidinecarboxylic acid.